

Thermo Scientific Seradyn Sera-Mag Magnetic Particles and SpeedBeads

Superior Technology

Major companies worldwide trust Sera-Mag[®] Magnetic particles and SpeedBeads[™].

Our magnetic particles exhibit high binding capacity, excellent stability, low nonspecific binding, exquisite sensitivity and are utilized in assays that test approximately 85% of the US blood supply.

Sera-Mag SpeedBeads

The Sera-Mag SpeedBeads are the newest entry in the Sera-Mag line of magnetic particles.

All Sera-Mag SpeedBeads have improved magnetic response time, but retain the original Sera-Mag benefits, which are listed in the column on the right.

Sera-Mag Magnetic Particle and SpeedBeads Benefits

- Sensitive and stable
- Good physical integrity
- Reproducible
- High binding capacity
- High surface area per unit mass
- Tight size distribution
- Covalently bound ligands do not leach

Thermo Scientific Sera-Mag Magnetic Particles

Sera-Mag SpeedBeads Carboxylate-modified

Packaged in 15 mL, 100 mL, and 1000 mL, 5% solids, 50 mg/mL

Bottle Size	Application	Binding Capacity	Type	Cat. Number
15 mL	Hydrophilic	High	SBMG-CM 1 μ M 5% SLD	4515-2105-050250
100 mL	Hydrophilic	High	SBMG-CM 1 μ M 5% SLD	4515-2105-050350
1000 mL	Hydrophilic	High	SBMG-CM 1 μ M 5% SLD	4515-2105-050450
15 mL	Hydrophilic	High	SBMG-CM 1 μ M 5% SLD	6515-2105-050250
100 mL	Hydrophilic	High	SBMG-CM 1 μ M 5% SLD	6515-2105-050350
1000 mL	Hydrophilic	High	SBMG-CM 1 μ M 5% SLD	6515-2105-050450

Sera-Mag SpeedBeads Streptavidin-coated

Packaged in 1 mL, 5 mL, and 100 mL, 1% solids, 10 mg/mL

Bottle Size	Application	Binding Capacity	Type	Cat. Number
1 mL	Clinical/Molecular	Medium	SBMG-SA 1 μ M 1% SLD	6615-2104-011150
5 mL	Clinical/Molecular	Medium	SBMG-SA 1 μ M 1% SLD	6615-2104-010150
100 mL	Clinical/Molecular	Medium	SBMG-SA 1 μ M 1% SLD	6615-2104-010350

Sera-Mag SpeedBeads NeutrAvidin-coated

Packaged in 1 mL and 5 mL, 1% solids, 10 mg/mL (100 mL available upon request)

Bottle Size	Application	Binding Capacity	Type	Cat. Number
1 mL	Clinical/Molecular	High	SBMG-NA 1 μ M 1% SLD	7815-2104-011150
5 mL	Clinical/Molecular	High	SBMG-NA 1 μ M 1% SLD	7815-2104-010150

Sera-Mag Magnetic Carboxylate-modified

Packaged in 15 mL, 100 mL, and 1000 mL, 5% solids

Bottle Size	Application	Binding Capacity	Type	Cat. Number
15 mL	Hydrophilic	High	MG-CM 1 μ M 5% SLD	2415-2105-050250
100 mL	Hydrophilic	High	MG-CM 1 μ M 5% SLD	2415-2105-050350
1000 mL	Hydrophilic	High	MG-CM 1 μ M 5% SLD	2415-2105-050450
15 mL	Hydrophilic	High	MG-CM 1 μ M 5% SLD	4415-2105-050250
100 mL	Hydrophilic	High	MG-CM 1 μ M 5% SLD	4415-2105-050350
1000 mL	Hydrophilic	High	MG-CM 1 μ M 5% SLD	4415-2105-050450

Sera-Mag Magnetic Oligo(dT)

Packaged in 1 mL, 5 mL, and 100 mL, 1% solids

Bottle Size	Application	Binding Capacity	Type	Cat. Number
1 mL	DNA Separation	Medium	MG-OL 1 μ M 1% SLD	2815-2103-011150
5 mL	DNA Separation	Medium	MG-OL 1 μ M 1% SLD	2815-2103-010150
100 mL	DNA Separation	Medium	MG-OL 1 μ M 1% SLD	2815-2103-010350

Product Abbreviation Key

SB = SpeedBead CM = Carboxylate-modified MG = Magnetic
 NA = NeutrAvidin SA = Streptavidin SLD = Solid
 OL = Oligo SA3, SA4, SA5 = Binding capacity level

Sera-Mag Magnetic Streptavidin-coated

Packaged in 1 mL, 5 mL, and 100 mL, 1% solids

Bottle Size	Application	Binding Capacity	Type	Cat. Number
1 mL	Clinical/Molecular	Low	MG-SA3 1 μ M 1% SLD	3015-2103-011150
5 mL	Clinical/Molecular	Low	MG-SA3 1 μ M 1% SLD	3015-2103-010150
100 mL	Clinical/Molecular	Low	MG-SA3 1 μ M 1% SLD	3015-2103-010350
1 mL	Clinical/Molecular	Medium	MG-SA4 1 μ M 1% SLD	3015-2104-011150
5 mL	Clinical/Molecular	Medium	MG-SA4 1 μ M 1% SLD	3015-2104-010150
100 mL	Clinical/Molecular	Medium	MG-SA4 1 μ M 1% SLD	3015-2104-010350
1 mL	Clinical/Molecular	High	MG-SA5 1 μ M 1% SLD	3015-2105-011150
5 mL	Clinical/Molecular	High	MG-SA5 1 μ M 1% SLD	3015-2105-010150
100 mL	Clinical/Molecular	High	MG-SA5 1 μ M 1% SLD	3015-2105-010350

Sera-Mag Magnetic Sample Packs

Packaged in 15 mL, 100 mL, and 1000 mL, 1% solids

Product Name	Cat. Number	Package Size	Sample Pack Includes:
Sera-Mag SpeedBeads Carboxylate-modified	S4565	2 x 15 mL	4515-2105-050250 6515-2105-050250
Sera-Mag SpeedBeads Streptavidin and NeutrAvidin-coated	S6678	2 x 1 mL	6615-2104-011150 7815-2104-011150
Sera-Mag Magnetic Carboxylate-modified	S2444	2 x 15 mL	2415-2105-050250 4415-2105-050250
Sera-Mag Magnetic Streptavidin-coated	S30345	3 x 1 mL	3015-2103-011150 (low binding) 3015-2104-011150 (med. binding) 3015-2105-011150 (high binding)

Sera-Mag Magnetic Streptavidin: Biotin Binding Capacity Comparison

